O.I.P.E
JUN 09 2005
PATENT & TRADEMARK OFFICE

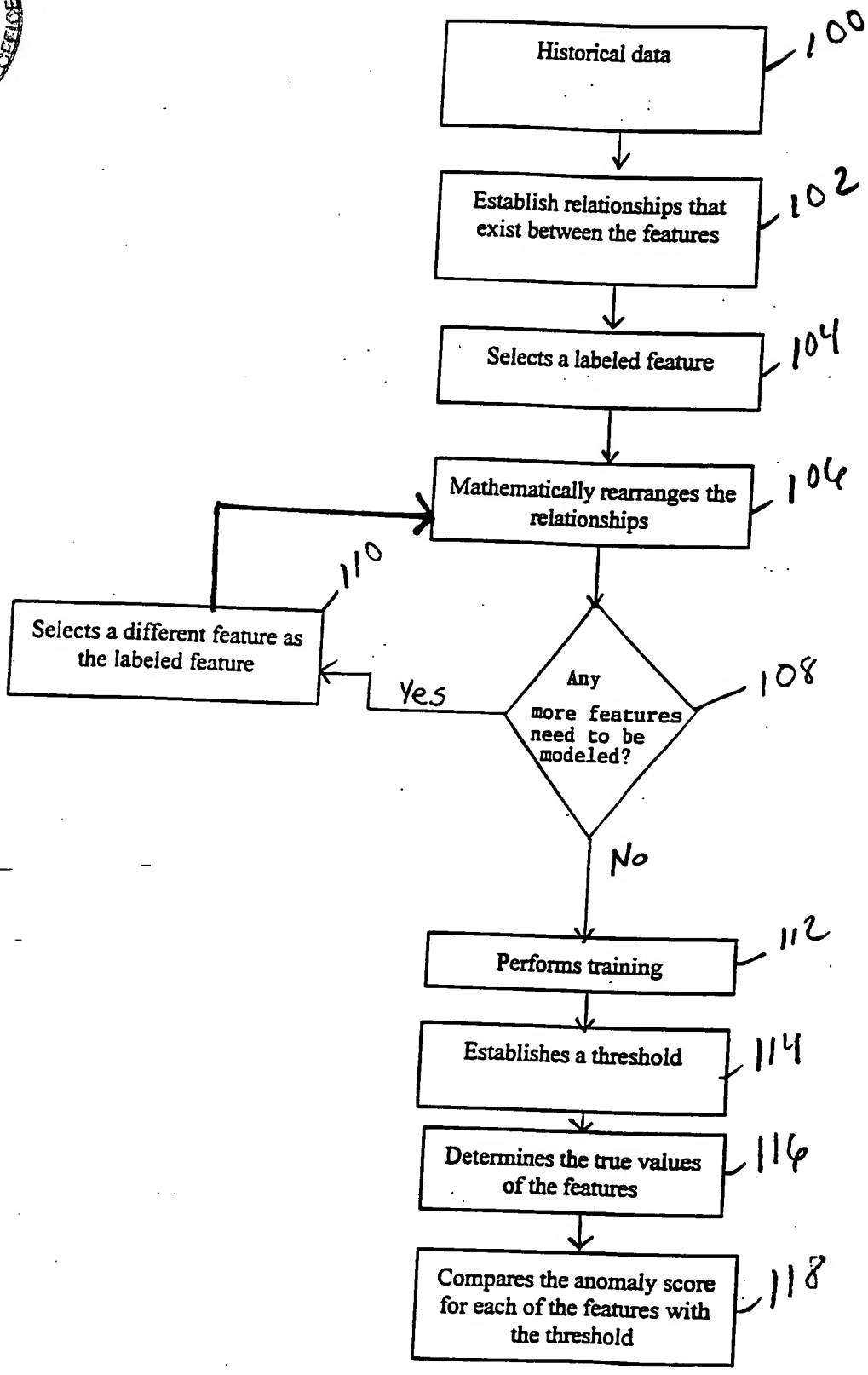

Fig. 1

Table 1. Normal events in the 2-node network example

Reachable?	Delivered?	Cached?
True	True	True
True	False	False
False	False	True
False	False	False

Fig. 2

Delivered?	Cached?	Reachable?	Probability
True	True	True	1.0
False	False	True	0.5
False	True	False	1.0
True	False	True	0.5

Fig. 3A

(a) Sub-model with respect to 'Reachable?'

Reachable?	Cached?	Delivered?	Probability
True	True	True	1.0
True	False	False	1.0
False	True	False	1.0
False	False	False	1.0

Fig. 3B

(b) Sub-model with respect to 'Delivered?'

Reachable?	Delivered?	Cached?	Probability
True	True	True	1.0
True	False	False	1.0
False	False	True	0.5
False	True	True	0.5

Fig. 3C

(c) Sub-model with respect to 'Cached?'

Reachable?	Delivered?	Cached?	Class	AMC	AP
True	True	True	Normal	1	1
True	False	False	Normal	1	0.83
False	False	True	Normal	1	0.83
False	False	False	Normal	0.33	0.67
True	True	False	Abnormal	0.33	0.17
True	False	True	Abnormal	0	0
False	True	True	Abnormal	0.33	0.17
False	True	False	Abnormal	0	0.33

Fig. 4

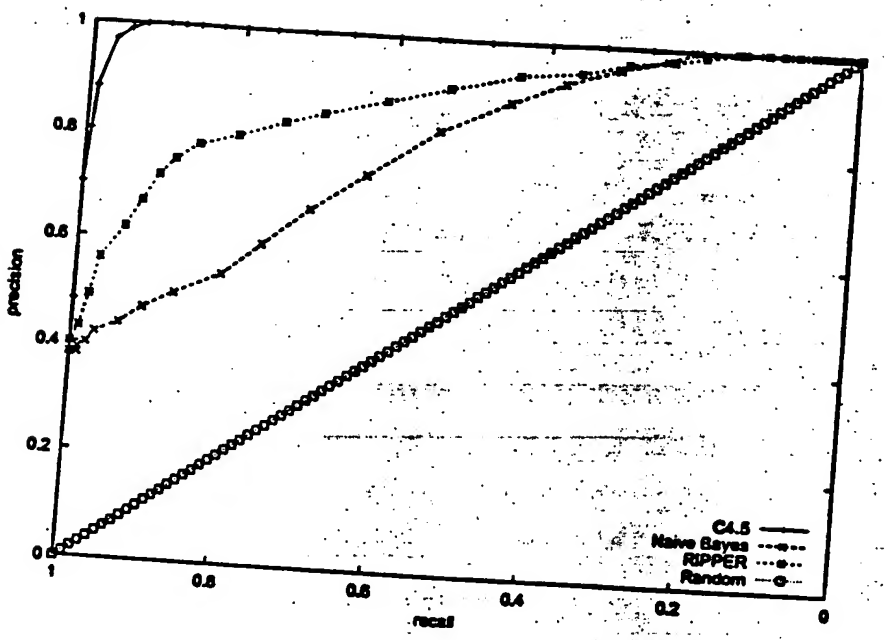
precision
recall
1
0.8
0.6
0.4
0.2
0
C4.5
Naive Bayes
RIPPER
Random

Fig. 5